

In Vivo CTL Elicitation by Heat Shock Protein Fusion Proteins Maps to a Discrete
Domain and is CD4⁺ T Cell-Independent

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to a method of inducing a CD8⁺ CTL response to a
molecule in an individual deficient in CD4⁺ T cells comprising administering to the
individual an hsp or a portion of an ATP binding domain of an hsp joined to the
molecule. In one embodiment, the present invention relates to a method of treating HIV
in an individual deficient in CD4⁺ T cells comprising administering to the individual an
10 hsp or a portion of an ATP binding domain of an hsp joined to the molecule. Also
encompassed by the present invention is a method of inducing a CD4⁺ independent CTL
response in an individual comprising administering to the individual a portion of an
ATP binding domain of an hsp joined to the molecule. The present invention also
relates to a method of inducing a CD8⁺ CTL response in an individual comprising
15 administering to the individual a portion of an ATP binding domain of an hsp joined to
the molecule. In addition, the present invention relates to a composition characterized
by a portion of an ATP binding domain of an hsp joined to a molecule.